

ABSTRACT OF THE DISCLOSURE

A system and method for recognizing markers on, e.g., a PCB (printed circuit board). In one aspect, a system for recognizing a marker in an image comprises an image capture module (14) for extracting image features associated with an input image of a ROI (region of interest) captured through a lens 15, an image processor (16) comprising a first marker recognition processor (17) for recognizing a marker in the input image based on a normalized correlation and a second marker recognition processor (18) for recognizing a marker in the input image based on gray value histograms; a training module 19 for building template images and histograms that are used by the image processor (16) to detect a marker in the input image and a database (20) for indexing and storing trained template images and trained histograms.